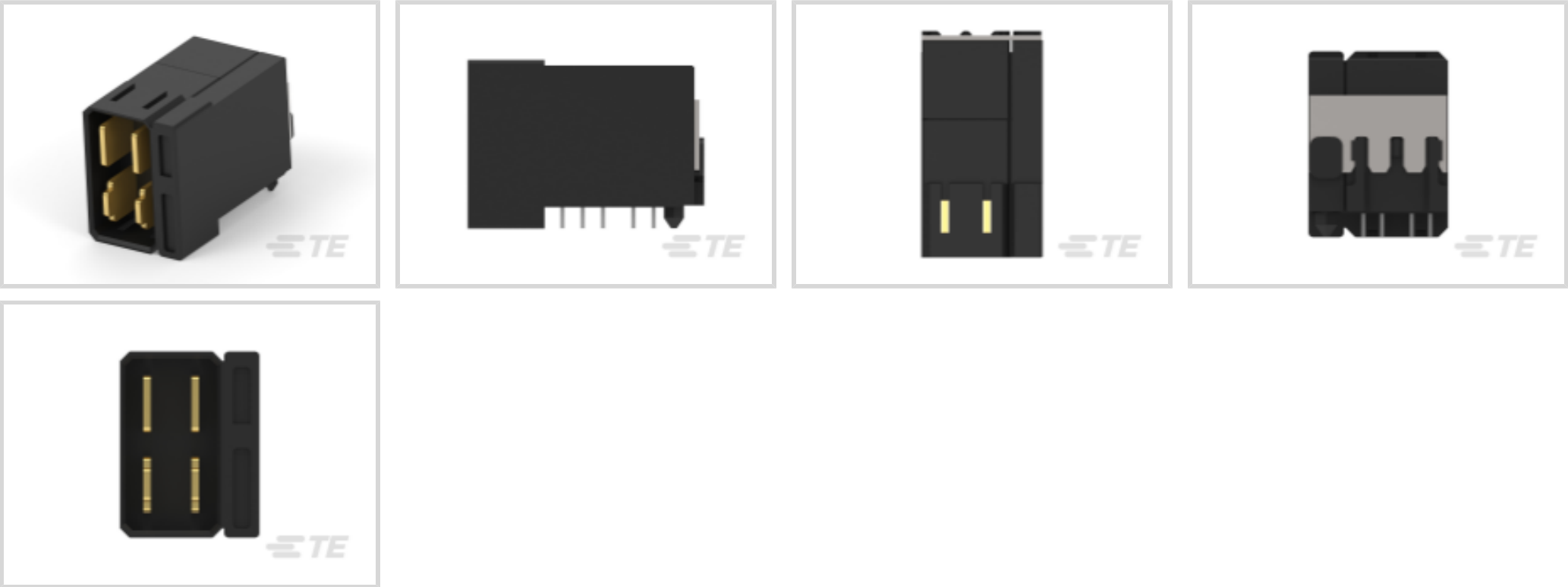




Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Right Angle**

Connector System: **Board-to-Board**

Number of Positions: **4**

Number of Rows: **2**

Features

Product Type Features

Connector Shape	Rectangular
PCB Connector Type	PCB Mount Header
Connector System	Board-to-Board
Header Type	Fully Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Connector Product Type	Connector Assembly

Configuration Features

Number of Power Positions	4
Board-to-Board Configuration	Co-Planar, Perpendicular
PCB Mount Orientation	Right Angle
Number of Positions	4
Number of Rows	2

Electrical Characteristics

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Operating Voltage	48 VDC
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Body Features

Primary Product Color	Black
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Contact Features

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1.27 µm[50 µin]
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
PCB Contact Termination Area Plating Material Thickness	2.54 µm[100 µin]
Contact Layout	Matrix
Contact Base Material	Copper Alloy
PCB Contact Termination Area Plating Material	Tin
Contact Type	Blade
Contact Current Rating (Max)	20 A

Termination Features

Termination Post & Tail Length	2.55 mm[.1 in]
Termination Method to PCB	Through Hole - Press-Fit

Mechanical Attachment

Mating Alignment Type	Polarization
PCB Mount Retention Type	Hold-Down
PCB Mount Retention	With
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount
Mating Alignment	With

Housing Features

Housing Material	Thermoplastic GF
Centerline (Pitch)	5.2 mm[.2 in]

Dimensions

Row-to-Row Spacing	8.13 mm[.32 in]
Connector Width	27.97 mm[1.1 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]
Connector Height	16.73 mm[.65 in]
Connector Length	15 mm[.59 in]



Usage Conditions

Operating Temperature (Max)	85 °C[185 °F]
Operating Temperature Range	-55 – 85 °C[-67 – 185 °F]

Operation/Application

Circuit Application	Power
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Industry Standards

Compatible With Agency/Standards Products	UL
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	64
Packaging Method	Tray

Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not applicable for solder process capability

Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) ‘Guidance on requirements for substances in articles’ posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

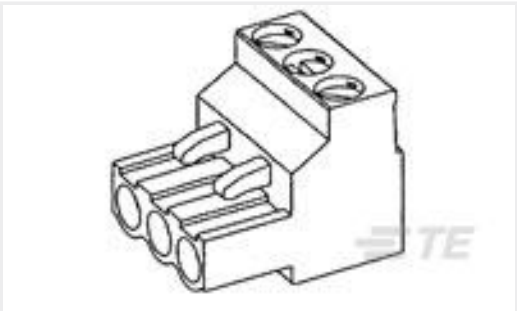


Compatible Parts



TE Part # 2169809-1
IMP,Power,4PR,VR,Tin

Customers Also Bought



TE Part #796634-7
7 POS 5.08MM R/A PLUG,TRM BLK



TE Part #640584-1
08P UMNL HDR ASSY R/A 94VO



TE Part #2007198-2
SFP+ 1x1 Cage Assembly, Press-Fit



TE Part #2309409-1
DDR4 SODIMM 260P 5.2H STD



TE Part #2338718-3
Receptacle Assembly, 4C HI Power



TE Part #2-2176331-3
CRGP 2512 680R 1%



TE Part #2170088-1
ZSFP+ Connector,30u"



TE Part #1747981-2
Std HDMI, RA, SMT



TE Part #2-5767004-2
MICTOR RECEPT ASSY, 38 POS.



TE Part #1888901-1
SFP+ EMI Plug

Documents

Product Drawings
IMP,PWR,4PR,HDR,R-HLD,1X,802-1,N/A
English

CAD Files
3D PDF
3D



Customer View Model

[ENG_CVM_CVM_2180490-1_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2180490-1_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2180490-1_A.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

[2-1773457-5_Impact_Power_Connectors](#)

English

Product Specifications

[Application Specification](#)

English

Agency Approvals

[UL](#)

English